

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/00080

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 E05B47/00 E05B65/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G08B G07C E05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 218 939 B1 (PEPER HENDRIK) 17 April 2001 (2001-04-17)	1,3-5
Y	column 1, line 37 - line 42 column 3, line 52 - line 55; figures 1,2	2
Y	DE 196 21 909 A (KOHNE MICHAEL) 11 December 1997 (1997-12-11)	2
A	column 5, line 11 - column 6, line 45; figure 2	1
X	EP 0 589 158 A (BAYERISCHE MOTOREN WERKE AG) 30 March 1994 (1994-03-30)	1
	column 4, line 46 - line 50; figure 1	
A	WO 01 52517 A (SATS SAFE MLS AB ; BONNENFANT BJOERN DE (SE)) 19 July 2001 (2001-07-19)	1
	the whole document	
	--- -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

15 May 2003

Date of mailing of the international search report

22/05/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

PEREZ MENDEZ, J

## INTERNATIONAL SEARCH REPORT

Internat ☐ Application No  
PCT/GB 03/00080

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 680 119 A (MAGLIARI GARY ET AL) 21 October 1997 (1997-10-21) column 3, line 9 -column 4, line 58; figure 1 column 6, line 30 -column 7, line 39; figures 4,5 -----	1,2
A	US 5 337 043 A (GOKCEBAY ASIL T) 9 August 1994 (1994-08-09) column 8, line 18 - line 45; figures 3,7 -----	1-3

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 03/00080

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6218939	B1	17-04-2001	DE	29904141 U1		27-07-2000
			CN	1273317 A		15-11-2000
			ES	1045107 U1		01-07-2000
DE 19621909	A	11-12-1997	DE	19621909 A1		11-12-1997
EP 0589158	A	30-03-1994	DE	4228233 A1		03-03-1994
			DE	4240013 A1		01-06-1994
			DE	59308061 D1		05-03-1998
			EP	0589158 A1		30-03-1994
WO 0152517	A	19-07-2001	AU	2719601 A		24-07-2001
			EP	1266517 A1		18-12-2002
			WO	0152517 A1		19-07-2001
US 5680119	A	21-10-1997	NONE			
US 5337043	A	09-08-1994	US	5245329 A		14-09-1993